AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck through~~.

1 (currently amended): A temperature adjusting device for an LED light source comprising:

an LED light source;

a temperature sensor for detecting an ambient temperature of the LED light source;

a cooling fan for cooling the LED light source;

a driving circuit for driving the cooling fan; and

a control unit which on/off controls a voltage to be applied to the cooling fan so as to set the ambient temperature within a predetermined range based upon results of detection by the temperature sensor, characterized in that, upon on/off controlling the applied voltage, the control unit ~~(4)~~ is allowed to gradually raise/lower the applied voltage.

2 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the control unit ~~(4)~~ turns the applied voltage on when the ambient temperature exceeds an upper-side switching temperature ~~(T2)~~ that is set at a temperature lower than the upper limit of a temperature permissible range, and also turns the applied voltage off when the ambient temperature is lower than a lower-side switching temperature ~~(T1)~~ that is set at a temperature higher than the lower limit of the temperature permissible range.

3 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the LED light source ~~(11)~~ is used for a scanner-use light source for reading frame images of a photographic film.

4 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 3, further comprising:

a line-shaped heater ~~(12)~~ that is installed in the LED light source ~~(11)~~, and formed in a line shape along the width direction of a photographic film ~~(F)~~ to be read so as to be aligned adjacent to the LED light source ~~(11)~~ in the line direction,

~~characterized in that~~wherein the control unit ~~(4)~~ turns the heater ~~(12)~~ off in synchronism with the turning-on of the LED light source ~~(11)~~, and on/off controls the cooling fan ~~(20)~~ independent of the on/off operations of the heater ~~(12)~~.

5 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the LED light source ~~(11)~~ is used for an exposure-use light source for exposing and printing an image onto a photosensitive material.

6 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the control unit ~~(4)~~ gradually increases/decreases the applied voltage linearly.

7 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the control unit ~~(4)~~ gradually increases/decreases the applied voltage in a curved manner.

8 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the time period in which the applied voltage is gradually increased/decreased is set to one to two seconds.

9 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized by~~ comprising:

a red LED light source ~~(11r)~~, a green LED light source ~~(11g)~~, a blue LED light source ~~(11b)~~ that constitute a LED light source ~~(11)~~;

a red LED guiding portion ~~(13r)~~, a green LED guiding portion ~~(13g)~~ and a blue LED guiding portion ~~(13b)~~ that guide light rays applied from the respective light sources ~~(11r, 11g, 11b)~~; and

a joining portion ~~(13a)~~ that allows the respective guiding portions to join to one another.

10 (currently amended): The temperature adjusting device ~~for an LED light source~~ according to claim 1, ~~characterized in that~~wherein the LED light source ~~(11)~~ is a white-color LED.